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APPLICATION NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO.
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EXAMINER	
NGUYEN, M	
ART UNIT	PAPER NUMBER
2722	10

DATE MAILED: 02/13/98

This is a communication from the examiner in charge of your application.
COMMISSIONER OF PATENTS AND TRADEMARKS

OFFICE ACTION SUMMARY

☒ Responsive to communication(s) filed on 12/03/97

☐ This action is FINAL.

☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 D.C. 11; 453 O.G. 213.

A shortened statutory period for response to this action is set to expire 3 month(s), or thirty days, whichever is longer, from the mailing date of this communication. Failure to respond within the period for response will cause the application to become abandoned. (35 U.S.C. § 133). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

Disposition of Claims

☒ Claim(s) 1-22 is/are pending in the application.

Of the above, claim(s) _____ is/are withdrawn from consideration.

☐ Claim(s) _____ is/are allowed.

☒ Claim(s) 1-22 is/are rejected.

☐ Claim(s) _____ is/are objected to.

☐ Claims _____ are subject to restriction or election requirement.

Application Papers

☐ See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.

☐ The drawing(s) filed on _____ is/are objected to by the Examiner.

☐ The proposed drawing correction, filed on _____ is ☐ approved ☐ disapproved.

☐ The specification is objected to by the Examiner.

☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119

☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

☐ All ☐ Some* ☐ None of the CERTIFIED copies of the priority documents have been received.

☐ received in Application No. (Series Code/Serial Number) _____

☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

*Certified copies not received: _____

☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

Attachment(s)

☒ Notice of Reference Cited, PTO-892

☐ Information Disclosure Statement(s), PTO-1449, Paper No(s). _____

☐ Interview Summary, PTO-413

☐ Notice of Draftsperson's Patent Drawing Review, PTO-948

☐ Notice of Informal Patent Application, PTO-152

- SEE OFFICE ACTION ON THE FOLLOWING PAGES -

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DETAILED ACTION

This action is responsive to amendment received on December 03, 1998.

Applicant amends claim 10.

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-22 are rejected under 35 U.S.C. 103(a) as being unpatentable over Turpin et al (US Patent No. 5608898) in view of Cooper et al (US Patent No. 5465167).

Concerning claim 1, Turpin et al discloses a transmission system comprising a computer readable medium (Fig.1), said medium including a data corresponding to a pre-formatted form having a group of fields arranged at designated locations on the form (Figs.9-12), and instructions configured to populate the group of fields in response to the reception of field identifiers and associated informational data to generate a generated form having data corresponding to the designated fields (Figs.43-46; col 2, lines 38-68; col 4, lines 7-15; col 25, line 42 - col 27, line 64).

Turpin teaches a transmission system with modem 109 for providing communications between the computer and other computers but fails to teach that the transmission system is a

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facsimile transmission system which can transmit the generated form to a facsimile destination. Cooper et al discloses a facsimile transmission system (Fig.3) which can transmit and received generated form through facsimile machines. It would have been obvious to one skilled in the art at the time the invention was made to combine the teaching of the transmitting of the generated form to facsimile machines in Cooper et al to the system in Turpin in order to transmit generated form to multiple remote facsimile machines.

Concerning claim 2, Turpin et al in view with Cooper teaches the same limitations as in claim 1 with additional limitations that the instruction is configured to extract a definition record from received data wherein the definition record including an ordered listing of identifiers for each of the fields being supplied in received data (Fig.4, col 13, line 7 - col 14, line 63; col 25, line 52 - col 26, line 37; col 27, lines 44-64; col 29, lines 8-65); and the informational data includes four different sets of information wherein each set corresponding to a unique form to thereby generate a plurality of forms, wherein the common information is included in each form due to the link and tree operations (Figs.9-12, 16-20; col 2, lines 57-61; col 12, lines 35-42; col 25, lines 43-46; col 26, lines 37-55; col 27, lines 1-54).

Concerning claim 3, Turpin et al in view with Cooper teaches the same limitations as in claim 1 with additional limitations of a memory (113, Fig.1) for storing a form with a plurality of fields (col 21, lines 18-21), a CPU (100) for receiving data corresponding to a stored pre-formatted form through keyboard 106, mouse 107 or communication interfaces such as modem 109, RS232 port (not shown).

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Concerning claims 4 and 13, Cooper further teaches the system according to claim 3 wherein the received data includes a recipient's facsimile telephone number (destination information 12, Fig.1; col 6, lines 19-23) and the transmitting means send the generated document to the received facsimile telephone number (col 6, lines 29-31).

Concerning claims 5-12, 14, Turpin further teaches the system according to claim 3 wherein

- the received data includes a plurality of sets of information (4 different sets in Figs.9-12; col 12, lines 35-43), command data (col 2, lines 57-61) and the forms are populated to generate a plurality of generated documents (Figs. 14, 16-18);

- at least one of said sets of information includes a flag that indicates special processing (col 16, lines 35-50; col 18, lines 39-46; col 19, lines 25-29) wherein the special processing includes changing a format of the form (col 29, lines 51-65), attaching an additional message to the form (remarks part in Fig.12);

- sets of information are separated by a specific character such as comma and the populating means can separate the plurality of fields from the data based on the special character (literal characters in col 9, lines 13-17; reserved characters in col 10, lines 11-16, 35-38; col 9, lines 27-34)

- data includes a definition record including an ordered listing of identifiers for each of the data files (col 14, lines 17-63) ;

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Claims 15-22 are method claims corresponding to apparatus claims 1-14. Therefore, claims 15-22 are rejected for the same rationales set forth for claims 1-14.

Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

a. Whalen et al (US Patent No. 5327341) discloses a computerized file maintenance system for processing multiple files.

b. Johnson et al (US. Patent No. 5267303) teaches a method of using a form to request automatic creation of form with fields for requesting operations in relation to items.

c. Holt et al (US Patent No. 5557723) teaches a method and system form customizing forms in an electronic mail system.

d. Hirai et al (US Patent No. 5450537) teaches a method and apparatus for completing a partially completed document in accordance with a blank form from data automatically retrieved from a database.

e. Oomae et al (US Patent No. 5299305) teaches a method for generating forms and for processing and transferring data among the forms.

f. Parks et al (US Patent No. 5025396) teaches a method and apparatus for merging a digitized image with an alphanumeric character string.

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g. Kessel et al (US Patent No. 5008810) discloses a system for entering different amount of information and determining correctness of input dependent upon current user input.

h. Millard (US Patent No. 5495565) teaches an integrated form document editor with form description table, background bitmap, graphics editor and text editor, composite image generator and intelligent autofill.

i. Glaser et al (US Patent No. 5544285) teaches a graphical user interface control for replicating data fields forms.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Madeleine Anh-Vinh Nguyen whose telephone number is (703) 305-4860.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 305-4700.

Any response to this action should be mailed to:

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or faxed to:


(703) 308-9051 (for formal communication at s intended for entry)

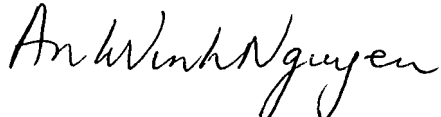
(703) 308-5397 (for informal or draft communications, such as proposed amendments to be discussed an interview; please label such communications "PROPOSED" or "DRAFT")

or hand-carried to:

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January 26, 1998


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